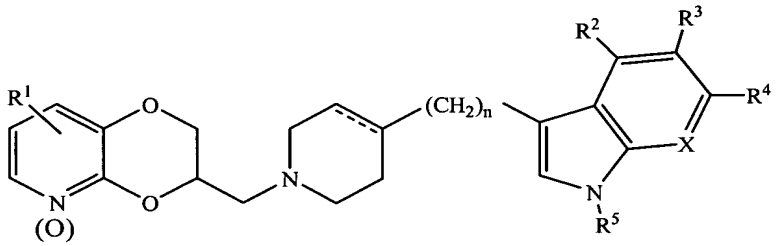
This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1 to 18 ***(cancelled)***

19. ***(previously presented)*** A method of treating a subject suffering from a condition selected from obesity, eating disorders, vasomotor flushing, cocaine addiction, alcohol addiction, and sexual dysfunction, comprising the step of:

providing to said subject suffering from said condition a therapeutically effective amount of a compound of formula I:



I

wherein

R^1 is selected from hydrogen, hydroxy, halo, cyano, carboxamide, carboalkoxy of 2 to 6 carbon atoms, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkanoyloxy of 2 to 6 carbon atoms, amino, mono- or di-alkylamino in which each alkyl group has 1 to 6 carbon atoms, alkanamido of 2 to 6 carbon atoms, or alkanesulfonamido of 1 to 6 carbon atoms;

R^2, R^3, R^4, and R^6 are independently selected from hydrogen, halo, cyano, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, and alkanoyloxy of 2 to 6 carbon atoms;

R^5 is hydrogen or alkyl of 1 to 6 carbon atoms;

X is CR6 or N;

a dotted line represents an optional double bond;

(O) represents optional oxidation; and

n is an integer 0, 1, or 2;

or a pharmaceutically acceptable salt thereof.

20. ***(previously presented)*** A method according to claim 19, wherein said eating disorder is anorexia nervosa or bulimia nervosa.

21. ***(previously presented)*** A method according to claim 19, wherein said subject is a human.

22. ***(previously presented)*** A method according to claim 19, wherein R^1 is hydrogen.

23. ***(previously presented)*** A method according to claim 19, wherein R^2, R^3, and R^4 are independently selected from hydrogen, halogen, and cyano.

24. ***(previously presented)*** A method according to claim 19, wherein R^5 is hydrogen or lower alkyl.

25. ***(previously presented)*** A method according to claim 19, wherein X is CR^6.

26. ***(previously presented)*** A method according to claim 19, wherein R^6 is hydrogen, halo, or cyano.

27. ***(previously presented)*** A method according to claim 19, wherein

R^1 is attached to the 6-position of the 1,4-dioxino[2,3-b]pyridine and is hydrogen, hydroxy, halo, cyano, trifluoromethyl, amino, mono- or di-alkylamino in which each alkyl group has 1 to 6 carbon atoms, alkyl of 1 to 6 carbon atoms or alkoxy of 1 to 6 carbon atoms;

R^2, R^3, and R^4 are independently selected from hydrogen, halo, cyano, alkyl of 1 to 6 carbon atoms, and alkoxy of 1 to 6 carbon atoms;

n is the integer 0 or 1; or

a pharmaceutically acceptable salt thereof.

28. ***(previously presented)*** A method according to claim 27, wherein

R^6 is hydrogen, halo, or cyano.

29. ***(previously presented)*** A method according to claim 19, wherein

R^1 is attached to the 6-position of the 1,4-dioxino[2,3-b]pyridine and is hydrogen, hydroxy or alkoxy of 1 to 6 carbon atoms;

R^2, R^3, and R^4 are independently selected from hydrogen, halo, and cyano;

R^5 is hydrogen;

X is CR^6;

N is 0; and

the dotted line represents a double bond; or

a pharmaceutically acceptable salt thereof.

30. ***(previously presented)*** A method according to claim 19, wherein said compound is 3-{[4-(1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl}-2,3-dihydro[1,4]dioxino[2,3-b]pyridine or a pharmaceutically acceptable salt thereof.

31. ***(previously presented)*** A method according to claim 19, wherein said compound is 3-{[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl}-2,3-dihydro[1,4]dioxino[2,3-b]pyridine or a pharmaceutically acceptable salt thereof.

32. ***(previously presented)*** A method according to claim 19, wherein said compound is 3-{1-[2,3-dihydro-[1,4]dioxino[2,3-b]pyridin-3-ylmethyl]-1,2,3,6-tetrahydro-4-pyridinyl}-1H-indole-5-carbonitrile or a pharmaceutically acceptable salt thereof.

33. ***(previously presented)*** A method according to claim 19, wherein said compound is 3-{[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl}-2,3-dihydro[1,4]dioxino[2,3-b]pyridine or a pharmaceutically acceptable salt thereof.